

ONE HEALTH WORK GROUP CALL #2

DATE: Wednesday, March 29, 2017

PARTICIPANTS: Jonna Mazet, Kitty Cardwell, Peter Daszak, Jeff Duchin, Jim Hughes, Billy Karesh, George Poste, Dave Rizzo, and Mary Wilson (Absent: Casey Barton Behravesh, Jenn Gardy, Eduardo Gotuzzo, and Gail Hansen)

STAFF: Ayano Ogawa, Ceci Mundaca-Shah, and Anh Tran

AGENDA: 1) Introduction of new members; 2) discussion of work group expectations; 3) review of preliminary background references; 4) update on other related engagements ; and 5) next steps

KEY DISCUSSION POINTS

1. Introduction of New Members

Ayano welcomed the newest members of the work group, Casey Barton Behravesh, Kitty Cardwell, Gail Hansen, and Billy Karesh. Kitty and Billy, who were on the call, introduced themselves, sharing their background and interests in One Health.

2. Discussion of Work Group Expectations

After the introductions, Jonna outlined the expectations and responsibilities of work group members. She noted that the research and deliverables should be driven by work group members. National Academies staff are primarily responsible for supporting the coordination of the work group. With that said, members can draw upon the time and skills of individuals from their own network, such as research assistants and students. Jonna is in fact planning to have her incoming One Health Institute Fellow to assist with the work group's research as needed, and she called upon other members in academia with such capacity to tap into their networks. Jim, Mary, and Jeff said they will look into opportunities to create a project for their MPH students, while noting that it depends on timing and scope of the project. Dave will look into projects for his undergraduates in the One Health major. Peter mentioned interns at EcoHealth Alliance could help with background research, and Billy's colleagues may be willing to review work group articles before publishing.

3. Review of Preliminary Background References

Jonna mentioned that the purpose of the background reference document was to highlight that there is a lot of existing work on One Health, particularly on core competencies, and have all members start on the same page. She guided the discussion through two potential topics, a) core competencies and b) the business case for One Health to explore the work group's desired direction and outputs.

a) Discussion on Core Competencies

Jonna was interested in following up on the implementation of current core competencies—how are they being used to change curricula, or how have they led to policy changes and been considered actively in practice and by employers in their hiring? Mary suggested developing a feedback survey on where and how core competencies are implemented and how helpful they are to find gaps in the landscape. A few members suggested looking at the core competencies within different sectors such as agriculture, environment, and public health practice to find gaps and missing links.

Kitty mentioned concerns with the lack of representation from her fields of food, agriculture, and plant sciences in the current core competencies and noted the existing set seemed to still be very vertical. She was interested in demonstrating more of a continuum and focusing on the interfaces of science and policy, and interoperability among the various technical areas. As an example, Kitty brought up the microbiome in animal feed as an area that shows a continuum across animal and human health sciences and policy as opposed to discipline-based, vertical competencies.

Peter said that bringing in more aspects of environmental health, food security, and even planetary health could broaden the work group's approach. Jonna cautioned that by developing a new comprehensive set of core competencies, though, the group may need to determine a user and motivation to justify their work.

Dave mentioned that his undergraduate One Health core competencies were developed across medical, veterinary, and plant pathology faculties and may be worth reviewing. The group agreed to look at Dave's core competencies, which he circulated after the call, to initially analyze the gaps and where the interfaces could be strengthened across different domains to create a more comprehensive model as a possible work group product.

b) Discussion on Business Case

Billy provided an update on the project that brings together World Bank, USAID, the Network for Evaluation of One Health, and EcoHealth Alliance to examine modeling and metric approaches to articulate the various economic dimensions of One Health and ultimately strengthen datasets and enable more effective conversations with decision-makers who have varied expertise in health, environment, and finance and who set national and international policy. Their efforts included a background literature review of all articles referencing One Health, which had about 3,000 results, but only seven articles attempted to quantify the effects of One Health. By the work group's next call in May, a report will be released presenting the outcomes that the group can examine to see how they can contribute to this area.

4. Update on Other Engagements

Forum on Microbial Threat's Workshop on "Combating Antimicrobial Resistance: A One Health Approach to a Global Threat"

As members of the June AMR workshop planning committee, Jim and Mary provided an update on the committee's first call in March. The planning committee had discussed a draft agenda, which has a session dedicated to environmental issues, an often neglected aspect of AMR discussions. The committee is in the process of refining the sessions and identifying speakers, so Jim and Mary solicited speaker suggestions from the work group to forward onto the planning committee.

Global Virome Project

Jonna brought up the [Global Virome Project](#), spearheaded by Dennis Carroll at USAID (also a Forum member), as another potential area of collaboration with the work group. A stand-alone National Academies workshop is possibly being held in the fall and can involve work group members. Jonna and Peter will provide more updates in the coming months.

5. Next Steps and Action Items

Work group members

- Review the undergraduate core competencies shared by Dave, and consider its gaps to brainstorm the direction the work group wants to take regarding core competencies.
- Consider potential speakers for the AMR workshop and send suggestions to Jim, Mary, and staff.

Billy Karesh

- Share publications of the outcomes and discussions from his World Bank working group on the business case of One Health.